

Announcement

INTERNATIONAL CONFERENCE ON LONG-LIFE CONCRETE PAVEMENTS

October 25 to 27, 2006 – Chicago, Illinois
(REVISED DATES)



SPONSORED BY

Federal Highway Administration
and
American Association of State Highway and Transportation Officials
American Concrete Pavement Association
Concrete Reinforcing Steel Institute
Illinois Department of Transportation
International Society for Concrete Pavements
National Concrete Pavement Technology Center
Portland Cement Association
Transportation Research Board



BACKGROUND

In the past, concrete pavements were routinely designed and constructed to provide low-maintenance service lives of 20 to 25 years. In fact, the majority of pavements in the U.S. interstate and primary systems were designed on the basis of a 20- to 25-year initial service life. More recently, there has been a movement toward longer initial service life, particularly in high-volume, urban corridors where traffic disruptions and user delays can be especially acute because of frequent or extended lane closures.

It is becoming an established practice in the United States to require that concrete pavements provide low-maintenance service lives of 40 or more years. Long-life concrete pavements have been attainable for a long time (as evidenced by the fact that a number of very old pavements remain in service); however, recent advances in design, construction, and concrete materials technology give us the knowledge and technology needed to achieve consistently what we already know to be attainable. Many State highway agencies, in conjunction with industry, are implementing innovative features related to structural design, concrete mixtures, construction equipment, construction process management, and testing procedures. To achieve long life, pavements must not exhibit premature failures and must have a reduced potential for cracking, faulting, spalling, and materials-related distress.

This 2 1/2-day conference is being organized as a part of technology transfer activities for the national Concrete Pavement Technology Program that operates within the Federal Highway Administration. The conference will provide an international forum to address various aspects of concrete pavement design, construction, and materials technologies that result in long life for concrete pavements.

SCOPE

The Long-Life Concrete Pavements Conference is targeted at pavement, materials, and geotechnical engineering professionals who are involved in various aspects of concrete pavement design, construction, testing and evaluation, and rehabilitation. These professionals include Federal, State, and municipal engineers; consulting engineers; contractors; materials suppliers; and academia. Implementable design, construction, maintenance, and rehabilitation techniques that result in long-lasting concrete pavements will be the focus of the conference.

CONFERENCE TOPICS

Papers and conference presentations are solicited both nationally and internationally on a wide range of topics dealing with technologies that result in long-life concrete pavements, including pavement analysis, design, and construction; concrete materials; pavement performance; pavement repair and rehabilitation; user expectations; and life cycle cost analysis. Papers on international experiences and practices are especially welcomed. Papers and presentations dealing with emerging topics related to long-life concrete pavements are also encouraged. Specifically, papers are solicited on the following topics:

1. U.S. and international experience on long-life concrete pavements.
2. Best construction practices to achieve long-life concrete pavements.
3. Innovations in joint systems, materials, and construction.
4. Lessons learned from early failures of concrete pavements.
5. Surface characteristics and drainage requirements for long-life concrete pavements.
6. Effective maintenance, repairs, and rehabilitation to extend service life.
7. Life cycle cost considerations for long-life pavements.

PRELIMINARY TECHNICAL PROGRAM

The conference program will consist of about 40 peer-reviewed presentations on best practices related to long-life concrete pavements. Implementable design, concrete materials, construction, and rehabilitation techniques that result in long-lasting concrete pavements are the focus of this conference. Highlights of the conference will be long-life concrete pavement practices in Europe, Australia, and a number of U.S. States. Findings from the U.S. AASHTO/FHWA May 2006 scan of several European countries will be presented. Abstracts have been received from Australia, Belgium, France, India, Japan, the United Kingdom, and the United States.

In addition, Mike Darter, Shiraz Tayabji, and Suneel Vanikar will summarize the highlights of the PIARC-organized 10th International Symposium on Concrete Roads, and Professor Andre Molennar will summarize findings from the 6th International DUT-Workshop on Fundamental Modeling of Design and Performance of Concrete Pavements. (Both programs will be held in Brussels in September 2006.)

The tentative technical program is given below:

Tuesday, October 24	Wednesday, October 25	Thursday, October 26	Friday, October 27
	Plenary/International	U.S. Regional	Construction
	U.S. Regional	Design	Rehabilitation
	<i>Lunch</i>	<i>Lunch</i>	<i>End of Conference</i>
	International	Design/Materials	
	U.S. Regional	Materials	
<i>Reception</i>	<i>Conference Dinner</i>		

REGISTRATION DETAILS (all fees are in U.S. dollars)

	Early (by July 15, 2006)	Late (after July 15, 2006)	Very Late (after September 30, 2006)
General registration	225	275	325
Government agencies (U.S. only)	175	225	275
Authors and academia	175	225	275
Students	125	175	225
Spouses	100	100	100
Exhibitors (one free registration)	1,200	1,500	NA

Potential exhibitors should contact Shiraz Tayabji at stayabji@CTLGroup.com or by phone at 410-997-0400 to reserve space.

Updated information related to the conference and online registration is available at

<http://www.fhwa.dot.gov/pavement/concrete/2006conf.cfm>

CONFERENCE VENUE/HOTEL

The conference will be held at the Donald E. Stephens Conference Center in Rosemont, Illinois, near Chicago's O'Hare International Airport. The conference hotel is the Doubletree Hotel in Rosemont (adjacent to the conference center). The conference room rate is \$144.00, single or double, plus applicable taxes (currently about 13 percent). The group reservation code for the discounted hotel room rate is "2006 Concrete Conference." Additional hotel details and other local area information will be provided in the next release of this announcement.

CONFERENCE STEERING COMMITTEE

Shiraz Tayabji (CTLGroup) (Chair), Mike Ayers (American Concrete Pavement Association), Angel Correa (Federal Highway Administration), Jim Grove (Iowa State University), David Lippert (Illinois Department of Transportation), Kurt Smith (Applied Pavement Technology, Inc.), Sam Tyson (Federal Highway Administration), and Jeff Uhlmeyer (Washington State Department of Transportation).

SUBMIT PAPER ABSTRACTS TO:

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Please mark your calendar. This important meeting will provide the blueprint for designing and constructing smoother, safer, quieter, and longer lasting concrete pavements cost-effectively.
